

Project Design Phase-I

Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID38800
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification
Maximum Marks	2 Marks

Proposed Solution Template:

S. No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Children missing is one of the worries for the parents. Child abductors are continually abducting the children from parents/legally appointed guardians to get the ransom/money for their benefit. more measures must be taken to protect children against abduction and its impacts.
2.	Idea / Solution description	In this project, we are going to develop a wearable safety gadget to display the live location of a children at any time on the parent's mobile to set the seal on their safety. The application is to track down the children when they're within Bluetooth range, also functions when the kids go farther afield. Its competence as a tracker is outstanding if you live in densely populated areas like cities or big towns. It is useful for parents to locate their children.
3.	Novelty / Uniqueness	The system software involuntarily alerts the parent/guardian by redirecting a text Message. Contrary to other devices, it has plenty of characteristics like the development of sensors technology, availability of internet-connected devices and the data analysis algorithms making IOT devices act smart in emergencies without human intervention

4.	Social Impact / Customer Satisfaction	The parent can keep their children Secure with tension-free minded when they are away from them. Precisely predicting the circumstances of the children and swiftly sensing the problems around children will make parents at ease. It will be great helpful to parents who are busy workers not having time to watch over their children, and easy to operate so anyone can handle it.
5.	Business Model (Revenue Model)	In this contemporary market, this would be desired as kids need more protection in the current times. The gadget can be acquired at an affordable rate.
6.	Scalability of the Solution	This solution could be further enhanced by the installation of the mini camera inside a smart gadget for exemplary security and protection so that a glimpse can be caught on the live footage on the parental phone during panic circumstances.